

Name \_\_\_\_\_



Date \_\_\_\_\_

## Calculating the Range, Variance, and Standard Deviation

(Answer ID # 0815856)

Calculate the values to the nearest tenth.

1. 18, 71, 79, 84, 6, 84, and 52.

Write the range: \_\_\_\_\_

2. 42, 68, 48, 31, 4, 4, 73, and 37.

Write the range: \_\_\_\_\_

3. -18.6, 21.4, 10, -10.1, -19.1, 4.2, 10, 6.1, -19.3, and 0.

Write the range: \_\_\_\_\_

4. 15.9, -2.6, -2.7, 2.1, 7.2, -7.1, -3.4, -10.6, 6.1, and -2.7.

Write the range: \_\_\_\_\_

5. Given the following prices of used cars:

\$35,900

\$36,000

\$29,000

\$9,600

\$29,200

.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_

Write the standard deviation: \_\_\_\_\_

6. Given the following annual mutual fund returns:

18.67

5.59

16.85

8.2

23.04

8.07

21.08

19.4

15.27

20.18

3.12

17.11

-47.41

24.46

8.01

4.23

24.56

-40.91

-49.37

49.68

.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_

Write the standard deviation: \_\_\_\_\_

7. Given the following:

143.07, 124.66, 90.75, 99.52, 189.77, 127.93, 104.54, 105.15, 42.83, and 201.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

8. Given the following:  
52, 46, 94, 62, 147, 71, 62, 134, 141, and 40.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

9. Given the following grades:  
86, 52, 89, 52, 86, 75, 89, 70, 52, 52, 52, and 70.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

10.

52 Week High	52 Week Low	Stock	Dividend In Dollars	Close
\$121.19	\$60.07	VOU	\$0	\$80.73
\$251.82	\$14.08	JPI	\$0	\$39.44
\$27.79	\$5.21	MXV	\$1.11	\$11.10
\$185.85	\$17.46	NOM	\$15.78	\$157.80
\$124.67	\$117.04	EEA	\$0	\$118.90
\$77.81	\$56.84	ROT	\$6.85	\$76.10
\$27.51	\$6.57	SEB	\$0.47	\$9.41
\$91.72	\$24.98	KUV	\$0.54	\$53.94
\$165.56	\$109.76	GGY	\$9.28	\$132.55

Find the range, variance, and standard deviation for the closing prices of the given stocks..

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

11. Given the following:  
47.7, 47, 77, 51.4, 43.8, 41, 74.7, 67.7, 72.6, and 88.

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

12. Given the following prices of used homes (in thousands):

106.1	116.5	92.3	114.1	150.6	170.9
164	52.8	186.2	103.1	105.9	118.8
163.1	121.9	149.6	151.3	100.1	168.2
107.5	68.6	122.5	79.4	121.5	175
79.9	113.4	100.5	100.8	63.9	52.7

Write the range: \_\_\_\_\_ Write the variance: \_\_\_\_\_ Write the standard deviation: \_\_\_\_\_

write the range.

\_\_\_\_\_

write the variance.

\_\_\_\_\_

deviation: \_\_\_\_\_